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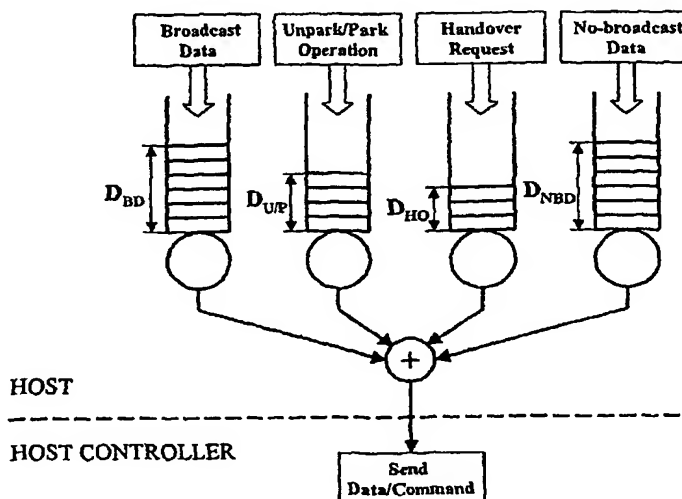
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(54) Title: BLUETOOTH BROADCAST DATA STREAM TO MULTIPLE BLUETOOTH MOBILE TERMINALS



(57) Abstract: The invention enables the use of Bluetooth (BT) for broadband data streaming applications. A BT base station BS-A with a BT-slave attached and at least one BS, providing streaming data. A BT slave attached to the BS-A receives network information based on which it can handover to a suitable BT BS, which provides the streaming data. Since only 7 active BT slaves can be supported by a BT BS, the BS will have to perform a park operation on the BT slaves, if there are more than 7 slaves. During park mode the BT slave can still receive broadcast data, which is incorporated in the beacon packet transmitted by the BS. In order to avoid that the link between the parked BT slave and the BS is terminated due to link supervision timeout, the parked slaves must be unparked and parked again, whereby the link supervision timeout is reset. A scheduling algorithm is disclosed.



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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	US 2002/193073 A1 (FUJIOKA SUSUMU) 19 December 2002 (2002-12-19) paragraph '0006!, sentence 5 paragraph '0034!; figure 9 paragraph '0040!, sentence 1 - sentence 5; figure 4 paragraph '0045! - paragraph '0046! paragraph '0055! - paragraph '0058!; figure 5 paragraph '0059!, sentence 3 - sentence 4; figure 6 paragraph '0065! - paragraph '0066!; figures 7,10 paragraph '0067!, sentence 1 - sentence 2	1,2,7,8
X	-& JP 2002 335254 A (RICOH CO LTD) 22 November 2002 (2002-11-22) --- -/--	1,2,7,8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>"BLUETOOTH SPECIFICATION VERSION 1.0 B, CORE, LINK MANAGER PROTOCOL" BLUETOOTH SPECIFICATION VERSION, XX, XX, vol. 1, 1 December 1999 (1999-12-01), pages 185-244, XP002174828 page 224, paragraph 3.24; figure 59; table 3.24</p> <p>---</p>	1-8
A	<p>"Bluetooth Specification Version 1.1, access procedures" BLUETOOTH SPECIFICATION VERSION, XX, XX, 22 February 2001 (2001-02-22), pages 96-177, XP002239571 page 118, line 17 - line 18</p> <p>-----</p>	6

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002193073 A1	19-12-2002	JP 2002335254 A	22-11-2002